BRUHAT BANGALORE MAHANAGARA PALIKE
DASARAHALLI ZONE

Name of Work: Improvements to roads & drains at widia School East & North road C.Narayana Layout cross roads & Kuvempunagara cross roads in Ward No 14 Bagalagunte

			Est. Cost Rs				15.00	Lakhs	
Sl	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRRB 300-1. Earthwork excavation by manual means in **Hard soil** involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications. MORTH / Chapter 3(Page No. 150, Item No. 19.2)	Cum							
	Desilting of drains		2	355.00	0.60	0.50	213.00		
			1	355.00	1.20	0.30	127.80		
							340.80	75.60	**25764.00**
	Basic Rate	70.00							
	Add Area Weightage 8%	5.60							
	Total	**75.60**							
2	Providing, laying, spreading and compacting graded stone aggregates to **wet mix macadam** specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base / base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. Specification No. 406 with all leads and lifts etc., complete as per the direction of Engineer-in-charge of the work.(PWD SR 2014-15, P.No.154, I No.20.18)	Cum							
			1	355.00	1.20	0.30	127.80		
	Basic Rate	1332.00					**127.80**	1438.56	**183848.00**
	Add Area Weightage 8%	106.56							
	Total	**1438.56**							
3	Providing and applying **primer coat** with S.S. Bitumen emulsion on prepared surface of granular base including clearing of road surface and spraying primer at the rate of 0.6 kg / sqm using mechanical means complete as per specifications, with all leads and lifts etc., complete as per the direction of Engineer-in-charge of the work.(PWDSR 2014-15, P.No.157, I No.21.6)	Sqm							
			1	355.00	1.20		426.00		
	Basic Rate	32.60					**426.00**	35.21	**14999.00**
	Add Area Weightage 8%	2.61							
	Total	**35.21**							

4	Providing and laying **bituminous macadam** on prepared surface with crushed coarse aggregates as per design mix formula for base / binding course including loading of aggregates with F.E. loader, hot mixing of stone aggregates and bitumen in hot mix plant 40 tonne capacity, transporting the mixed material in tipper to paver and laying mixed materials with paver finisher to the required level and grade, rolling by power roller to achieve the desired density, 50/75mm compacted thickness with 3.3% bitumen but excluding the cost of primer/tack coat with lead incl. cost of all materials, labour, HOM of machineries complete as per specifications with 80/100 grade bitumen using 40/60TPH capacity H.M.P with sensor paver Gr II (50/75mm) with 3.3% VG-30 Bitumen as per the directions of Engineer-in-charge of the work (PWDSR 201-15, P.No.158, I.No.21.11.14)	**Cum**							
			1	355.00	1.20	0.05	21.30		
	Basic Rate	6442.00					21.30	6957.36	**148192.00**
	Area Weightage 8%	515.36							
	Total	**6957.36**							
5	Providing and applying **tack coat** on the prepared black topped surfaces at 2.5 kg per 10 sqm, heating bitumen in boiler fitted with spray set (exlcuding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specifications Engineer-in-charge of the work (PWDSR 2014-15, P.No.157, I No.21.7)	**Sqm**							
			1	355.00	4.30		1526.50		
	Basic Rate	17.35					**1526.50**	18.74	**28604.00**
	Add Area Weightage 8%	1.39							
	Total	**18.74**							
6	Providing and laying **bituminous concrete** with hot mix plant using crushed aggregates of specified grading, pre mixed with bituminous binder and filler, transporting the hot mix to work site laying with paver finisher to the required grade, level and alignment . Rolling with smooth wheeled Vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause no 500.9 complete in all respects complete as per specifications. MORTH specification No509, using 100/120 TPH capacity H.M.P.with sensor paver Gr - II (30mm to 45mm) with 6% VG-Bitumen (P-161, It, 21.22.2.) PWD SR 2014-15	Cum							
			1	355.00	5.50	0.04	**78.10**	11676.96	**911971.00**
	Basic Rate	10812.00							
	Add Area Weightage 8%	864.96							
	Total	**11676.96**							
7	**Carraige** of Mixed Materials above 15 Km beyound 10Km to 15 Kmslead at P-168, d 15x4.90=73.50								
		Qty Vide Item No 4+6					**99.40**	73.50	**7306.00**

8	Disposal of debris to the final place of disposal with all lead and lift and as direction by the engineer in charge of the work, lead 4 Km a) Basic rate for haulage of materials as per item No. 17.4/KSRRB : M100-4.1 ..... Rs. 2.00 Tonne/Km b) Average earth of work 1.28 Tonne/Km for Rs. 2.00/Km c) Add loading and unloading **Page No. 150 Item No. 17.1 PWD SR 2013-14**	Cum							
				Qty Vide Item No. 1			**340.80**	78.24	**26664.00**
	Loading and Unloading Charges	62.20							
	Lead 4 KMs 2x1.28x4	10.24							
		72.44							
	Area Weightage @ 8%	5.80							
	Total	**78.24**							
9	KRIDL Charges + QC Charge 11%								**150000.00**
10	Miscellaneous and UnforessenCharges								**2652.00**
								Total	**1500000.00**

(Rupees. Fifteen Lakhs Only)

CERTIFICATE:-

1 The Work spot has been inspected and the work is found to be necessary

2 The Estimate is prepared as per the PW,P & IWTD -SR-2014-15

3 The Provision made in estimate are adequate and essential.

4 This area comes under BBMP limits.

Assistant Engineer
Ward-14

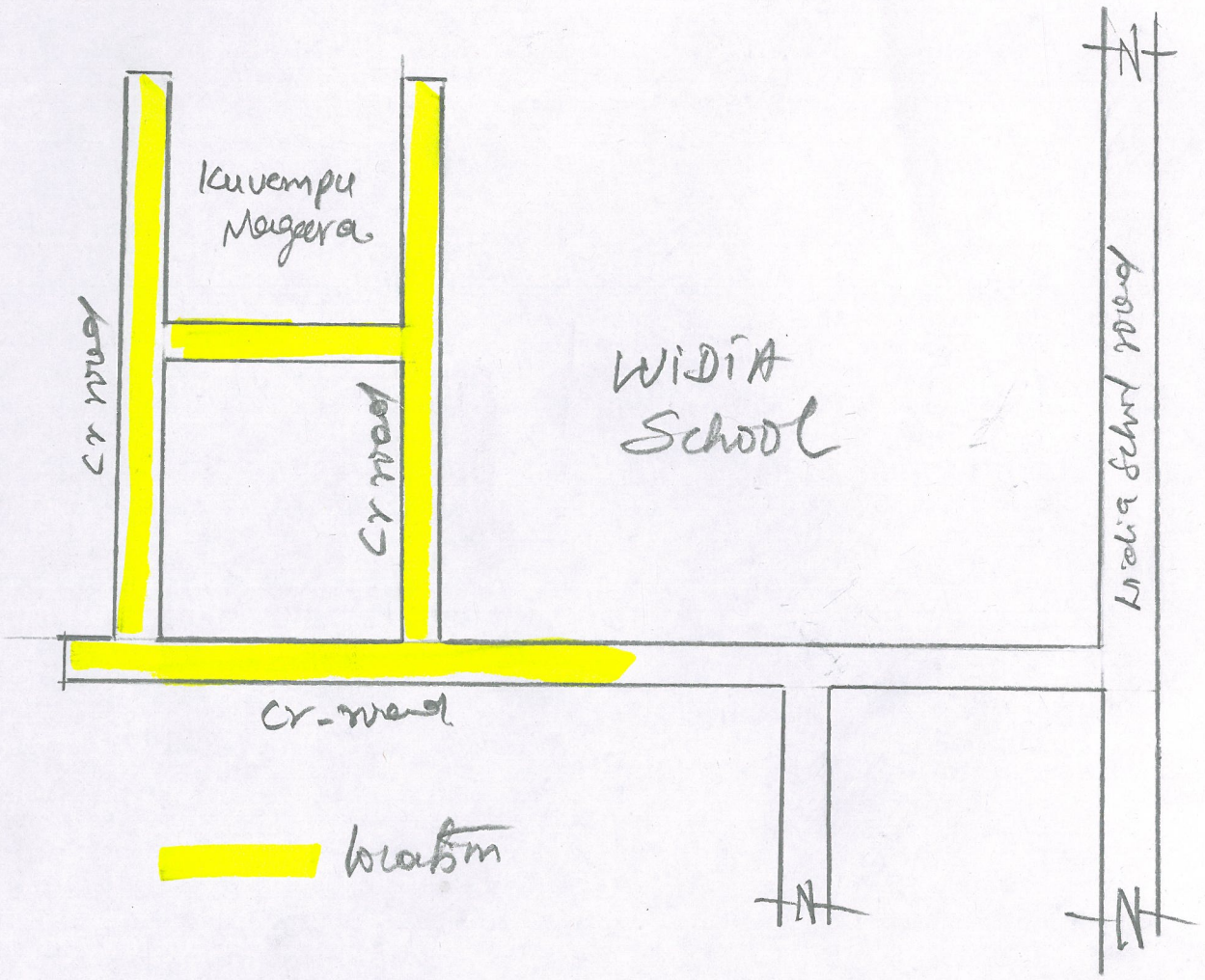
Assistant Executive Engineer
T. Dasarahalli Sub-Division
B.B.M.P

Executive Engineer
Dasarahalli Division
B.B.M.P. Bangalore.

ಸಂ. CE/DZ/AS/183/14-15 Pg:35 ದಿನಾಂಕ : 25-03-2015
ರೂ. 15,00000/- (ರೂ. ಪದಿನೈದು ಲಕ್ಷ)
.....ಗಳ
ಅಂದಾಜು ಪಟ್ಟಿಗೆ ಆಡಳಿತಾತ್ಮಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ.
ಮುಖ್ಯ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ.
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು.

ಸಂ.ಚೀ/ಪಿ/ಟಿಎಸ್/274/14-15 ದಿನಾಂಕ : 27/3/2015
ರೂ. 15.00 Lakh (Rupees Fifteen Lakhs only)
ಗಳ ಅಂದಾಜು ಪಟ್ಟಿಗೆ ಕಾಂತಿಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ
ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ದಾಸರಹಳ್ಳಿ ವಿಭಾಗ
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು

Name of work:- Improvement to roads & chain at wardi school
Sth & north road - C. narayana layout
cum roads & Kuvempu nagara cum roads in
ward no 14. Begalur



W.C.W

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ ಯಲಹಂಕ-ವಿಭಾಗ
ಬೆಂಗಳೂರು ದಕ್ಷಿಣ, ಬಿಬಿಎಂಪಿ
ಬೆಂಗಳೂರು